

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard.
29CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION I

MANUFACTURER'S NAME/MANUFACTURED FOR: Certified Safety Manufacturing Company, Inc.	TELEPHONE NO. (816) 483-9090
ADDRESS: 1400 Chestnut Avenue Kansas City, Missouri 64127	
IDENTITY (AS USED ON LABEL): <i>Certi-Cool</i> Instant Cold Pack Jr.	DATE PREPARED: 02/27/02

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Ammonium Nitrate (HN ₄ NO ₃) CAS#6484-52-2	N/A	N/A	N/A	
THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC, INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE" TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200 (A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)				

SECTION III – PHYSICAL DATA

BOILING POINT (°F):	N/A	SPECIFIC GRAVITY (H ₂ O= 1):	1.725
VAPOR PRESSURE (mm Hg.):	N/A	MELTING POINT:	155° C
VAPOR DENSITY (AIR=1):	N/A	EVAPORATION RATE: (Butyl Acetate =1)	N/A
SOLUBILITY IN WATER:	100%		
APPEARANCE AND ODOR:	White prill; slight ammonia odor		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): N/A	FLAMMABLE LIMITS: LEL: UEL:	N/A
EXTINGUISHING MEDIA: Water spray		
SPECIAL FIRE FIGHTING PROCEDURES: Spray large amounts of water. Firefighters should wear self-contained breathing apparatus and full protective clothing.		
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust may explode if exposed to heat or flame.		

(Continued on reverse side)

SECTION V – REACTIVITY DATA

STABILITY:	UNSTABLE		CONDITIONS TO AVOID: None known
	STABLE	√	
INCOMPATIBILITY (<i>Materials to avoid</i>): Reducing agents, active metals, acetic acid, chlorides, phosphorus			
HAZARDOUS DECOMPOSITION PRODUCTS: Nitric oxide fumes			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		CONDITIONS TO AVOID:
	WILL NOT OCCUR	√	

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:	INHALATION?:	N/A	SKIN?:	N/A	INGESTION?:	N/A
HEALTH HAZARDS (<i>Acute and Chronic</i>): N/A						
CARCINOGENICITY: NTP?: No IARC MONOGRAPHS?: No OSHA REGULATED?: No						
SIGNS AND SYMPTOMS OF EXPOSURE: Eyes – may cause redness, pain and irritation. Skin – may irritate - resulting in redness of the skin.						
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Inhalation – Overexposure to extremely dusty area may irritate the respiratory tract.						
EMERGENCY AND FIRST AID PROCEDURES: Eye contact–flush with large amounts of water for at least 15 minutes Seek medical attention if redness and/or pain continue. If swallowed, contact a poison control center immediately.						

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove sources of heat and ignition.
WASTE DISPOSAL METHODS FOR BULK AMMONIUM NITRATE: Clean up spills but do not flush into sewer or surface water. Dispose of through a licensed waste disposal company according to federal, state and local regulations.
Dispose of individual packs in a waste container. No special handling required for pack quantities.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (<i>Specify type</i>): Wear approved respirator in dusty conditions.		
VENTILATION:	LOCAL EXHAUST: √	SPECIAL: None
	MECHANICAL (<i>General</i>): None	OTHER: None
PROTECTIVE GLOVE: During cleanup	EYE PROTECTION: Safety glasses or goggles	
OTHER PROTECTIVE EQUIPMENT: Appropriate to prevent prolonged exposure.		

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect containers against physical damage.
OTHER PRECAUTIONS: N/A

THIS INFORMATION AND RECOMMENDATIONS HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THE DATE, HOWEVER CERTIFIED SAFETY MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THIS INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USED THEREOF.....